

## **REMARKS**

Claims 22-44 are presently pending in the application. Claims 1-21 have been canceled.

### **Claim Objections**

The Examiner objected to claims 22, 24 and 32 because they contain typographical errors. Applicant has amended claims 22, 24 and 32 to correct the typographical errors. Accordingly, Applicant respectfully requests reconsideration and withdrawal of the objection to claims 22, 24 and 32.

### **Claim Rejections – 35 U.S.C. § 112**

The Examiner rejected claims 26-35 under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.. Applicant has amended claims 26, 27, 29, 31 and 33 to make them dependent from claim 22. Accordingly, Applicant respectfully requests reconsideration and withdrawal of the rejection under 35 U.S.C. § 112 to claims 26-35.

### **Claim Rejections – 35 U.S.C. § 102**

The Examiner rejected claims 22-34 and 36-43 under 35 U.S.C. §102(a) as being anticipated by U.S. Patent Application Publication No. 2002/0036793 A1 to Roosen *et al.* (“Roosen”).

#### **Roosen et al.**

Roosen is directed to a system of workstations WS and printers PR connected by a local network N. Each workstation desktop software 100 includes a virtual printer (VP) which communicates with the printers and updates the status of the printers insofar as the preferences of the user. Each printer includes an information server IS intended to receive from and send information such as status information concerning the printer and the print jobs that the printer is processing. The virtual printer software includes a user interface (UI) for interfacing to a user.

As described by Roosen at col. [0099], one of the workstations includes a web server 310. All of the workstations include a standard web browser that is able to contact the web server 310 to request information about any of the printers connected to the network.

The web server has a set of web pages 320 available for different browser requests. On request from a web browser, the web server 310 dynamically prepares a web page containing the requested information and sends the prepared web page to the requesting browser. As explained by Roosen at paragraphs [0099] to [0102] the web page consists of one or more frames. As would be understood by one skilled in the art, each frame consists of information to be displayed and control information for displaying the information by the browser, using for instance, hypertext markup language (HTML).

As described at col. [0102], an exemplary web page shown in Fig. 15, includes a device status frame 45 which includes within it, an icon for each printer which indicates the status of the printer. Roosen at paragraph [0098] further describes the process of updating the printer status displayed at the workstation as the browser residing in the workstation asking for updated "frames" at predetermined intervals.

### **Argument**

Amended claim 22 recites:

22. *A method of controlling the display on a client terminal of the status of a data processing apparatus connected to the client terminal via a network comprising:*

*providing a status request to the data processing apparatus;*  
*transmitting display control information to the client terminal for*  
*controlling the display of statuses of the data processing apparatus by the client*  
*terminal;*  
*transmitting status update information to the client terminal; and*  
*displaying the updated status in accordance with the display control*  
*information;*

*the method further comprising storing the display control information at the client terminal, and, in response to a subsequent status request, transmitting status update information and displaying the updated status in accordance with the stored display control information,*

*wherein the stored display control information corresponds to an ordinary status icon, a slight fault status icon and a grave fault status icon.*

The Examiner asserts that Roosen at paragraph [0109] discloses a method for controlling a display at a client terminal which includes storing display control information at the client terminal and, in response to a subsequent status request, transmitting status update information and displaying the update information in accordance with the stored display control information. Applicant respectfully disagrees.

Applicants respectfully submit that Roosen does not teach, suggest or disclose storing display control information at the client terminal, and in response to a subsequent status request, transmitting status update information and displaying the updated status in accordance with the stored display control information, as recited in amended claim 22.

As made clear by Roosen at paragraph [0099], each time a request is made for updated status, “the web server 310 dynamically prepares a web page containing the requested information and sends the prepared web page to the requesting browser.”

Nowhere does Roosen teach or suggest storing control information at the client terminal such that in a subsequent status request, the updated status is displayed using the stored display information.

An embodiment of the claimed invention displays the status of a connected data processing apparatus on a client terminal. The status information is sent from the data processing apparatus upon a request from the client terminal. The first time that a request for status information is made by the client terminal, the data processing apparatus includes in its response, information for controlling the displaying of the status information along with the status information. The information for controlling the displaying of the status information received from the data processing device is stored in the client terminal. On subsequent requests

for status information to the same data processing device, only updated status information is transmitted from the data processing apparatus to the client terminal and not the display control information. The updated status is displayed in accordance with the previously stored display control information. Advantageously, because only updated status information is transmitted from the printer to the client computer network traffic is reduced.

Roosen requires an entire page to be transmitted from the server 310 to a workstation when updated status of a printer is to be displayed at a workstation. In contrast, claim 22 recites displaying the updated status in accordance with the stored display control information. Further, the stored display control information corresponds to displaying three separate status conditions using three different icons, ordinary, slight fault and grave fault. Roosen does not teach, suggest or disclose storing in the client computer the instructions for displaying three distinct icons.

In view of the foregoing, Applicant respectfully requests reconsideration and withdrawal of the rejection of claim 22.

Claims 23-35 depend from allowable claim 22. Accordingly, claims 23-35 are allowable based at least on their dependency from claim 22.

Claims 36 and 37 are allowable for the same reasons that claim 22 is allowable. Further, claims 38-44 are allowable based at least on their dependency from allowable claim 37.

### **Claim Rejections – 35 U.S.C. § 103**

The Examiner rejected claims 35 and 44 under 35 U.S.C. §103 as being unpatentable over U.S. Patent Application Publication No. 2002/0036793 A1 to Roosen *et al.* (“Roosen”) and further in view of Patent No. 5,620,264 (Kagita). Applicant respectfully traverses the rejection.

Claims 35 and 44 depend respectively from claims 22 and 37. Kagita does not make up for the deficiencies of Roosen. Accordingly, claims 35 and 44 are allowable based at least on their dependency from allowable claims 22 and 37. Accordingly, Applicant respectfully requests reconsideration and withdrawal of the rejection of claims 35 and 44.

**Conclusion**

Insofar as the Examiner's objections and rejections have been fully addressed, the instant application, including claims 22-44 is in condition for allowance and Notice of Allowability of claims 22-44 is therefore earnestly solicited.

Respectfully submitted,

  
**KENGO OCHI**

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(Date)

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**LOUIS SICKLES, II**  
Registration No. 45,803  
PANITCH SCHWARZE BELISARIO & NADEL LLP  
One Commerce Square  
2005 Market Street, Suite 2200  
Philadelphia, PA 19103-7013  
Telephone: 215-965-1330  
**Direct Dial: 215-965-1294**  
Facsimile: 215-965-1331  
E-Mail: lsickles@panitchlaw.com